

Product datasheet for **SC311299**

PREPL (NM_001042386) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PREPL (NM_001042386) Human Untagged Clone
Tag:	Tag Free
Symbol:	PREPL
Synonyms:	CMS22
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001042386, the custom clone sequence may differ by one or more nucleotides

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ATGCAGCAGAAGACCAAAATTATTTCTCCAAGCTTTGAAGTATAGTATTCCTCACCTTGG
AAATGCATGCAGAAACAGCATTGTAATCACTATAAATTCGCTGATCATTGTTACAATAGA
ATAAAATTGAAAAATATCACCTAACCAAGTGTCTTCAGAATAAACCCAAGATATCAGAG
TTAGCAAGAAACATCCCAAGTCGGAGCTTCTCATGTAAGGATCTTCAGCCTGTAAACAA
GAAAACGAAAAACCCCTCCAGAAAACATGGATGCATTTGAAAAAGTGAGAACAATAA
GAAACACAGCCACAAGAAGAATATGAAATCATCAATGTGGAAGTTAAACATGGTGGTTTT
GTTTATTACCAAGAAGGTTGTTGCTTGGTTCGTTCCAAAGATGAAGAAGCAGACAATGAT
AATTATGAAGTTTTATTCAATTTGGAGGAACTTAAGTTAGACCAGCCCTTCATTGATTGT
ATCAGAGTTGCTCCAGATGAAAAATATGTGGCTGCCAAGATAAGAAGTGAAGATTCTGAA
GCATCTACCTGTGAATTATAAAGCTCAGCGATCAGCCCGTAATGGAAGCTTCTTTCCCG
AATGTGTCCAGTTTTGAATGGTAAAGGACGAGGAAGATGAAGATGTTTTATTCTACACC
TTCCAGAGGAACCTTCGCTGTCATGACGTATATCGAGCCACTTTTGGTGATAACAAACGT
AATGAACGCTTTTACACAGAAAAAGACCAAGCTACTTTGTTTTCTTTTATCTTACAAAA
GACAGTCGTTTCCCTACCATAAATATTATGAACAAGACTACTTCTGAAGTGTGGTTGATA
GATGGCCTGAGCCCTGGGACCCACCAGTACTTATCCAGAAGCGAATACATGGGGTCCCTT
TACTATGTTGAACACAGAGATGATGAATTATACATTCTCACTAATGTTGGAGAACCTACA
GAATTTAAGCTAATGAGAACAGCGGCTGATACCCCTGCAATTATGAATTGGGATTTATTT
TTTACAATGAAGAGAAATACAAAAGTGATAGACTTGGACATGTTTAAGGATCACTGTGTT
CTATTTCTGAAGCACAGCAATCTCCTTTATGTTAATGTGATTGGTCTGGCTGATGATTCA
GTTCCGCTCTAAAGGATGGAAAATTAGTGCCAATGACTGTTTTCCACAAAACACTGACTCT
GAGGACTTGCAGAAGAAACCTCTCTTGGTACATGTATATGGAGCTTATGGAATGGATTTG
AAAATGAATTTACGGCCTGAGAGCGGGTCTGTTGGATGATGGATGGATATTAGCATAAC
TGCCATGTTTCGAGGTGGTGGTGAGTTAGGCCTCCAGTGGCAGCTGATGGCCGCTAACT
AAAAAACAATGGCCTTGTGATTTAGAGGCTTGCAATTAAGACGCTTCATGGCCAAGGC
TTTTCTCAGCCAAGTCTAACACCCTGACTGCTTTCAGTGTGGAGGGGTGCTTGCAGGA
GCATTGTGAATTCTAATCCAGAGCTGGTGGAGCGGTGACTTTGGAGGCACCTTTCTTG
GATGTTCTCAACACCATGATGGACTACACTTCTCTGACATTAGAAGAATTAGAAGAA
TGGGGGAATCCTTCATCTGATGAAAAACACAAGAATAACATAAAACGTTACTGTCCCTAT
CAAAATATTAACCTCAGCATTATCCTTCAATTCACATAACGGCATATGAAAACGATGAA
CGGGTACCTCTGAAAGGAATTGTAAGTTATACTGAGAACTCAAGGAAGCCATCGCGGAG
CATGCTAAGGACACAGGTGAAGGCTATCAGACCCCTAATATTATTCTAGATATTCAGCCT
GGAGGCAATCATGTAATTGAGGATTCTCACAAAAGATTACAGCCCAAATTAATTCCTG
TACGAGGAACCTGGACTTGACAGCACCAGTGTTCGAGGATCTTAAGAAATACCTGAAA
TTCTGA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_001042386
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001042386.1 , NP_001035845.1
RefSeq Size:	4624 bp
RefSeq ORF:	1986 bp
Locus ID:	9581
UniProt ID:	Q4I6C6
Cytogenetics:	2p21
Protein Families:	Druggable Genome, Protease
Gene Summary:	<p>The protein encoded by this gene belongs to the prolyl oligopeptidase subfamily of serine peptidases. Mutations in this gene have been associated with hypotonia-cystinuria syndrome, also known as the 2p21 deletion syndrome. Several alternatively spliced transcript variants encoding either the same or different isoforms have been described for this gene.[provided by RefSeq, Jan 2010]</p> <p>Transcript Variant: This variant (5, also known as variant D) is missing an in-frame coding exon compared to variant 1, resulting in a shorter isoform (3) lacking an internal protein segment compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>